

# Comparisons of Job Characteristics

**Focus Occupation:** [Electrical and Electronics Repairers, Commercial and Industrial Equipment \(49-2094\)](#)

**Associated Occupation:** [Electrical Power-Line Installers and Repairers \(49-9051\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 49

**Focus Occupation:** Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

**Associated Occupation:** Electrical Power-Line Installers and Repairers (49-9051)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation                      |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Customer and Personal Service                  | 11.3                            | 16.9                           | 7.5                       | << | Extensive education and/or training may be required |
| Mechanical                                     | 6.8                             | 14.0                           | 16.4                      | >  | Current knowledge level is likely sufficient        |
| Building and Construction                      | 4.0                             | 12.6                           | 6.3                       | << | Extensive education and/or training may be required |
| Public Safety and Security                     | 6.9                             | 10.9                           | 8.9                       | <  | Expanded education and/or training may be required  |
| Transportation                                 | 4.6                             | 9.2                            | 2.7                       | << | Extensive education and/or training may be required |
| Design   | 5.2                             | 8.0                            | 9.6                       | >  | Current knowledge level is likely sufficient        |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 69

**Focus Occupation:** Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

**Associated Occupation:** Electrical Power-Line Installers and Repairers (49-9051)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation             |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Troubleshooting                             | 4.5                             | 10.5                           | 12.0                      | >  | Skill level is likely sufficient           |
| Quality Control Analysis                    | 5.9                             | 10.1                           | 13.3                      | >> | Skill level is likely more than sufficient |
| Operation Monitoring                        | 6.6                             | 9.8                            | 12.6                      | >> | Skill level is likely more than sufficient |
| Operation and Control                       | 5.4                             | 9.6                            | 9.7                       | 0  | Current skill level may be sufficient      |
| Repairing                                   | 3.4                             | 9.6                            | 13.3                      | >> | Skill level is likely more than sufficient |
| Equipment Maintenance                       | 3.5                             | 7.9                            | 11.1                      | >> | Skill level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Abilities  |                                 | Similarity of Focus Occupation to Associated Occupation: 72 |                           |                                |  |
|--|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)<br>Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051) |                                 |   |                           |                                |  |
| Associated Occupation's Key Abilities Elements   | Average Rating, All Occupations | Associated Occupation's Rating                              | Focus Occupation's Rating | Evaluation of Focus Occupation |  |
| Multilimb Coordination   | 6.0                             | 12.2  | 10.0                      | <                              | Some improvement in abilities may be required      |
| Arm-Hand Steadiness  | 6.8                             | 11.1  | 10.7                      | 0                              | Current ability level may be sufficient            |
| Manual Dexterity   | 6.5                             | 10.8  | 11.2                      | 0                              | Current ability level may be sufficient            |
| Static Strength  | 5.0                             | 10.3  | 7.9                       | <<                             | Extensive improvement in abilities may be required |
| Reaction Time  | 4.8                             | 9.7   | 8.7                       | <                              | Some improvement in abilities may be required      |
| Extent Flexibility   | 4.8                             | 9.5   | 9.3                       | 0                              | Current ability level may be sufficient            |
| Gross Body Equilibrium   | 3.2                             | 8.4   | 6.2                       | <<                             | Extensive improvement in abilities may be required |
| Gross Body Coordination  | 3.9                             | 7.9   | 6.0                       | <<                             | Extensive improvement in abilities may be required |
| Rate Control   | 3.8                             | 7.9   | 6.9                       | <                              | Some improvement in abilities may be required      |
| Glare Sensitivity  | 2.6                             | 5.5   | 5.1                       | 0                              | Current ability level may be sufficient            |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common  |                         | Similarity of Focus Occupation to Associated Occupation: 73 |
|--|-------------------------|---|
| Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)<br>Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051) |                         |   |
| Work Activities  | Exclusivity of Activity |   |
| Analyze operation of malfunctioning electrical or electronic equipment   | 68                      |   |
| Distinguish colors   | 44                      |   |
| Fabricate, assemble, or disassemble manufactured products by hand  | 11                      |   |
| Install/connect electrical equipment to power circuit  | 57                      |   |
| Read blueprints  | 10                      |   |
| Read schematics  | 34                      |   |
| Read technical drawings  | 7                       |   |
| Repair or replace electrical wiring, circuits, fixtures, or equipment  | 49                      |   |
| Solder electrical or electronic connections or components  | 55                      |   |
| Test electrical/electronic wiring, equipment, systems or fixtures  | 54                      |   |
| Use electrical or electronic test devices or equipment   | 40                      |   |

|                                     |    |
|-------------------------------------|----|
| Use hand or power tools             | 2  |
| Use soldering equipment             | 44 |
| Use voltmeter, ammeter, or ohmmeter | 52 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 85

**Focus Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)**  
**Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)**

| Tools and Technologies   | Exclusivity |
|--|-------------|
| Aerial lifts   | 13          |
| Anti static equipment and supplies                             | 56          |
| Business function specific software                            | 1           |
| Compressors  | 9           |
| Computer printers  | 2           |
| Computers  | 1           |
| Content authoring and editing software                         | 1           |
| Cutting and crimping and punching tools                        | 3           |
| Electrical measuring and testing equipment                     | 7           |
| Electronic and communication measuring and testing instruments | 14          |
| Fall protection  | 16          |
| Forming tools  | 2           |
| Holding and clamping tools                                     | 3           |
| Indicating and recording instruments                           | 2           |
| Information exchange software                                  | 1           |
| Ladders and scaffolding  | 6           |
| Length and thickness and distance measuring instruments        | 2           |
| Lifting equipment and accessories                              | 3           |
| Light and wave generating and measuring equipment              | 4           |
| Machine tools  | 7           |
| Measuring and layout tools                                     | 3           |
| Personal communication devices                                 | 2           |
| Pneumatic tools  | 8           |
| Power generators   | 16          |
| Power tools  | 2           |
| Prying and bending tools                                       | 10          |
| Pulling tools  | 31          |
| Rough and finishing tools                                      | 5           |
| Safety apparel   | 4           |
| Soldering and brazing and welding machinery and supplies       | 6           |
| Temperature and heat measuring instruments                     | 6           |
| Tool attachments and accessories                               | 12          |
| Wrenches and drivers   | 2           |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.